Cumulative contents Volume 30

Volume 30, No. 1, January 1993	
Papers	
L. Bömer and M. Antweiler Optimizing the aperiodic merit factor of binary arrays	1
B. Friedlander	
The root-MUSIC algorithm for direction finding with interpolated arrays D. Rosenfeld and B. Porat	15
Mapping of radiation sources by multiple sensor arrays G.A. Tsihrintzis and A.J. Devaney	31
Stochastic diffraction tomography: Theory and computer simulation	49
On estimating the frequency of a sinusoid in autoregressive multiplicative noise S.C. Scoular, I.B. Rogozkin and M.S. Chernyakov	65
Review of Soviet research on linear time-variant discrete systems D. Gold and H. Ur	85
Quantization noise analysis and error feedback implementation in frequency sampling FIR filters	103
Short communications	
M.H. Er and B.C. Ng A robust method for broadband beamforming in the presence of pointing error	115
J. Choi, I. Song, S. Kim and S.Y. Kim	113
A combined determination-estimation method for direction of arrival estimation	123
Book review	133
Thesis alerts Announcement and calls for papers	135
Volume 30, No. 2, January 1993	
Papers	
M. Unser, A. Aldroubi and M. Eden	
A family of polynomial spline wavelet transforms	141
Optimally regularized inverse of singular value decomposition and application to signal extrapolation JK. Hwang and YC. Chen	163
A combined detection-estimation algorithm for the harmonic-retrieval problem FC. Zheng, S. McLaughlin and B. Mulgrew	177
Cumulant-based deconvolution and identification: Several new families of linear equations M. Farooq, A. Rouhi and S.S. Lim	199
Analysis of suboptimal filtering algorithms for target tracking	221
Modelling a 2-D inverse fast cosine transform algorithm on a multistage network S. Anderson	235
On optimal dimension reduction for sensor array signal processing	245
Short communication	
R.S. Orr	2.00
Derivation of Gabor transform relations using Bessel's equality	257

Cumulative Contents

Thesis alerts	263
Announcements and calls for papers	267
Volume 30, No. 3, February 1993	
Papers	
E. Anarım and B. Sankur	
Robust detection of tone signals by autoregressive frequency estimation	271
S. Shamsunder and G.B. Giannakis	
Modeling of non-Gaussian array data using cumulants: DOA estimation of more sources with less sensors	279
G.J.F. Banon and J. Barrera	
Decomposition of mappings between complete lattices by mathematical morphology, Part I. General lattices	299
Y.M. Zhu, R. Goutte and M. Amiel	
On the use of two-dimensional Wigner-Ville distribution for texture segmentation	329
G. Angelopoulos and I. Pitas	
Two-dimensional FFT algorithms on hypercube and mesh machines	355
Short communication	
P. Iliev and L. Tsekov	
Motion detection using image histogram sequence analysis	373
Announcement and call for papers	385
Author index	387
Combathe contact	200

